

#2

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/956,999

DATE: 10/12/2001  
TIME: 12:05:18

Input Set : A:\SEQLIST 6514-069001.TXT  
Output Set: N:\CRF3\10122001\I956999.raw

4 <110> APPLICANT: Lincoln, Stephen  
5 Klingler, Tod M.  
6 Au-Young, Janice  
7 Tang, Y. Tom  
8 Goold, Richard  
9 Akerblom, Ingrid E.  
10 Seilhamer, Jeffrey J.  
11 Hawkins, Phillip R.  
12 Murry, Lynn E.  
13 Delegeane, Angelo M.  
14 Levine, Wendy B.  
15 Hillman, Jennifer L.  
16 Goli, Surya K.  
17 Altus, Christina M.  
18 Bandman, Olga  
19 LaBrie, Samuel T.  
20 Shah, Purvi  
22 <120> TITLE OF INVENTION: Database for Storage and Analysis of  
23 Full Length Sequences  
25 <130> FILE REFERENCE: 6514-069CON  
C--> 27 <140> CURRENT APPLICATION NUMBER: US/09/956,999  
C--> 28 <141> CURRENT FILING DATE: 2001-09-19  
30 <150> PRIOR APPLICATION NUMBER: 08/282,955  
31 <151> PRIOR FILING DATE: 1995-07-29  
33 <150> PRIOR APPLICATION NUMBER: 08/187,530  
34 <151> PRIOR FILING DATE: 1994-01-27  
36 <150> PRIOR APPLICATION NUMBER: 08/179,873  
37 <151> PRIOR FILING DATE: 1994-01-11  
39 <150> PRIOR APPLICATION NUMBER: 08/100,523  
40 <151> PRIOR FILING DATE: 1993-08-03  
42 <150> PRIOR APPLICATION NUMBER: 08/137,951  
43 <151> PRIOR FILING DATE: 1993-10-14  
45 <150> PRIOR APPLICATION NUMBER: 07/977,780  
46 <151> PRIOR FILING DATE: 1992-11-19  
48 <150> PRIOR APPLICATION NUMBER: 07/916,491  
49 <151> PRIOR FILING DATE: 1992-07-17  
51 <150> PRIOR APPLICATION NUMBER: 08/289,822  
52 <151> PRIOR FILING DATE: 1994-08-12  
54 <150> PRIOR APPLICATION NUMBER: 08/581,240  
55 <151> PRIOR FILING DATE: 1995-12-29  
57 <150> PRIOR APPLICATION NUMBER: 08/744,026  
58 <151> PRIOR FILING DATE: 1996-11-05  
60 <150> PRIOR APPLICATION NUMBER: 08/786,999  
61 <151> PRIOR FILING DATE: 1997-01-23  
63 <150> PRIOR APPLICATION NUMBER: 08/822,262  
64 <151> PRIOR FILING DATE: 1997-03-20  
66 <150> PRIOR APPLICATION NUMBER: 08/951,750

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67 <151> PRIOR FILING DATE: 1997-10-16  
69 <160> NUMBER OF SEQ ID NOS: 10  
71 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
73 <210> SEQ ID NO: 1  
74 <211> LENGTH: 373  
75 <212> TYPE: DNA  
76 <213> ORGANISM: Homo sapiens  
78 <220> FEATURE:  
79 <221> NAME/KEY: misc\_feature  
80 <222> LOCATION: (1)...(373) ✓  
81 <223> OTHER INFORMATION: n = A,T,C or G ✓  
83 <400> SEQUENCE: 1

W--> 84 gtacggaggt gaggttgtt accgcgattc taagaggtagt gcttttagtc cctccagacc 60  
85 tcggctttag tgctgtctcc gcttttyttt cacccatca gagggtcggt tcttcctaaa 120  
86 agaagggttt attgggaggt aaaggtaat gcgtaggggt agagtaatgt gtcttatgg 180  
87 gaaattraag gtaaattctt gggacctaga gaagaagtaa cgagttagcc acgtgtaaa 240  
88 aaattgaagt caaccacaga gtcgtatgtt ttccacaatc atagtaatgc tgatttcac 300  
W--> 89 agnatccaag agaaaactgg aaatgattgg gtcctgtgn ncatcatgta tgtcagagga 360  
90 catagttatt tgc 373

92 <210> SEQ ID NO: 2  
93 <211> LENGTH: 321  
94 <212> TYPE: DNA  
95 <213> ORGANISM: Homo sapiens  
97 <220> FEATURE:  
98 <221> NAME/KEY: misc\_feature  
99 <222> LOCATION: (1)...(321) ✓  
100 <223> OTHER INFORMATION: n = A,T,C or G  
102 <400> SEQUENCE: 2

W--> 103 gtgagggttg ttacccncat tctgagaggt gggcttttag tccctccaga cctcggcttt 60  
104 agtgctgtct ccgmmtttct ttcacccatca cagagatgtc ttatggtaaa attgaaggta 120  
105 aattcttggg acctagwgaa gaagtaacga gtgagccacg ctgtaaaaaa ttgaagtcaa 180  
106 ccacagatgc gtatgtttt cacaatcata gtaatgtca ttccacagw atccaagaga 240  
W--> 107 aaactggaaa tgatttgggt ccctgtgacc atcattnatg tcagaggnc tagttaattt 300  
W--> 108 gcaggaganc aaaaatcaaa a 321

110 <210> SEQ ID NO: 3  
111 <211> LENGTH: 528  
112 <212> TYPE: DNA  
113 <213> ORGANISM: Homo sapiens  
115 <400> SEQUENCE: 3  
116 atgacagact gtgaatttgg atatatttac aggctggctc aggactatct gcagtgcgtc 60  
117 ctacagatac cacaacctgg atcaggtcca agcaaaacgt ccagagtgtc acaaaatgtt 120  
118 gcgttctca gtcaaaaaga agtggaaaag aatctgaatgt catgcttggaa caatgttaat 180  
119 gttgtgtccg tagacactgc cagaacacta ttcaaccaag tgatggaaaa ggagtttggaa 240  
120 gacgacatca ttaactgggg aagaattgtt accatatttgc catttggaa tatttcatac 300  
121 aagaaacttc tacgacagca aattggcccg gatgtggata cctataagga gatttcataat 360  
122 tttgttgccg agttcataat gaataacaca ggagaatggta taaggcaaaa cggaggctgg 420  
123 gaaaatggct ttgtaaagaa gttgaacct aaatctggct ggatgacttt tctagaagtt 480  
124 acaggaaaga tctgtgaaat gctatcttc ctgaagcaat actgttga 528  
126 <210> SEQ ID NO: 4

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Input Set : A:\SEQLIST 6514-069001.TXT  
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127 <211> LENGTH: 405  
 128 <212> TYPE: DNA  
 129 <213> ORGANISM: Homo sapiens  
 131 <400> SEQUENCE: 4  
 132 gtccaaatca ctattgttt gtgaaagctg agtcacago aaaacaagcc accatgaagc 60  
 133 tgcgggtgtg tctctgctg gtcacgctgg ccctctgctg ctaccaggcc aatgccgagt 120  
 134 tctgcccagc tcttggttct gagctgttag acttcttctt cattagtcaa cctctgttca 180  
 135 agttaagtct tgccaaattt gatgcccctc cggaagctgt tgcatccaag ttaggagtga 240  
 136 agagatgcac ggatcagatg tcccttcaga aacgaagcct cattgcggaa gtcctggta 300  
 137 aaatattgaa gaaatgtatg gtgtgacatg taaaaacttt catcctggtt tccactgtct 360  
 138 ttcaatgaca ccctgatctt cactgcagaa tgtaaagggtt tcaac 405  
 140 <210> SEQ ID NO: 5  
 141 <211> LENGTH: 495  
 142 <212> TYPE: DNA  
 143 <213> ORGANISM: Homo sapiens  
 145 <400> SEQUENCE: 5  
 146 gatccttgcc acccgcgact gaacacccgac agcagcagcc tcaccatgaa gttgctgatg 60  
 147 gtcctcatgc tggggccct ctcccagcac tgctacgcag gctctggctg ccccttattt 120  
 148 gagaatgtga ttccaagac aatcaatcca caagtgtcta agactgaata caaagaactt 180  
 149 cttcaagagt tcatacgacga caatgccact acaaattgcca tagatgaatt gaaggaatgt 240  
 150 ttcttaacc aaacggatga aactctgagc aatgttggagg tggatgtca attaatatat 300  
 151 gacagcagtc tttgtgattt attttaactt tctgcaagac ctttggctca cagaactgca 360  
 152 gggtatggtg agaaaccaac tacggattgc tgccaaaccac accttcttctt tcttatgtct 420  
 153 ttactaca aactacaaga caattgtga aacctgctat acatgtttat ttaataaaat 480  
 154 tgatggcaaa aactg 495  
 156 <210> SEQ ID NO: 6  
 157 <211> LENGTH: 1143  
 158 <212> TYPE: DNA  
 159 <213> ORGANISM: Homo sapiens  
 161 <400> SEQUENCE: 6  
 162 ggccccggcg cgccggcgcc gccccggcc cggggggatg tcttacaaac cgaacttggc 60  
 163 cgcgcacatg cccggcccg ccctcaacgc cgctgggagt gtccactcgc ctccaccag 120  
 164 catggcaacg tcttcacagt accggccagct gctcagtgac tacggggcac cgtcccttagg 180  
 165 ctacacccag ggaactggga acagccaggt gccccaaagc aaatacgcgg agctgctggc 240  
 166 catcattgaa gagctggggaa aggagatcag acccacgtac gcagggagca agagtgcac 300  
 167 ggagaggctg aagcgcggca tcattcacgc tagaggactg gttcgggagt tcttggcaga 360  
 168 aacggAACGG aatgccagat cctagctgcc ttgttggtt tgaaggattt ccatctttt 420  
 169 acaagatgag aagttacagt tcatctccc tggatgtaa aaacccttgtt tttcaaaatg 480  
 170 gttacagttt cgttttccct cccatgggtc acttggctct gaacctacag tctcaaaatg 540  
 171 tgagaaaaga ttttgcagtt aatttaggatt tgcattttaa gtagtttagga actgcccagg 600  
 172 ttttttttgt ttttaagca ttgatTTAA agatgcacgg aaagttatct tacagcaaac 660  
 173 tggatTTGC ctccaaagaca ccattgtctc cctttaatct tctttttgtt atacatttg 720  
 174 taccatgggt gttctttgtt cttttcata agctaatacc actgttaggaa ttttgggg 780  
 175 aacgcattt gacagcacgc ttacttagt agccgggtcc catttgcac acaatgttagg 840  
 176 ttctgtttaa tgtaacttct ttttgcattt agcatttgca tgactattag tgcttcaaag 900  
 177 tcaatTTTA aaaatgcaca agttataat acagaagaaa gagcaacccca ccaaaccctaa 960  
 178 caaggacccc cgaacactt catactaaga ctgtaaatg atctcagttc tgcgtttatt 1020  
 179 gtaagttgat aaaacatct ggaagaaaat gactaaaact gtttgcattt ttgtatgtat 1080  
 180 ttattacttgc atgtaataaa gcttattttc attaacaatt tgtatTTAA tgggggttcc 1140

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Input Set : A:\SEQLIST 6514-069001.TXT  
Output Set: N:\CRE3\10122001\I956999.raw

181 ttg  
 183 <210> SEQ ID NO: 7  
 184 <211> LENGTH: 871  
 185 <212> TYPE: DNA  
 186 <213> ORGANISM: Homo sapiens  
 188 <220> FEATURE:  
 189 <221> NAME/KEY: misc\_feature  
 190 <222> LOCATION: (1)...(871)  
 191 <223> OTHER INFORMATION: n = A,T,C or G  
 193 <400> SEQUENCE: 7

194	acctgctggc ccctggacac ctctgtcacc atgtggttcc tggttctgtg cctcgccctg	60
195	tccctggggg ggactgggtc tgcccccgg attcagtccc ggattgtggg aggctggag	120
196	tgtgagcagc attcccaagcc ctggcaggcg gcactggtca tggaaaacga attttctgc	180
197	tcgggcgtcc tggtgcatcc gcagtggtg ctgtcagccg cacactgttt ccagaactcc	240
198	tacaccatcg ggctgggcct gcacagtctt gaggccgacc aagagccagg gaggcagatg	300
199	gtggaggcca gcctctccgt acggcaccca gagtacaaca gacccttgtc cgctaacgac	360
W--> 200	ctcatgntca tcaagttgga cgaatccgtg tccgagtctg acaacatccg gagnatcagc	420
W--> 201	attgnntcgc agtgcctac cgccggaaac ttttgctcg tttctggctg gggctctgctg	480
202	gcgaacggca gaatgcctac cgtgctgcag tgcgtgaacg tgcgtgggt gtctgaggag	540
203	gtctgcagta agctctatga cccgctgtac caccggcaca tgcgtgcgc cggccggaggg	600
204	caagaccaga aggactcctg caacgggtac tctggggggc ccctgatctg caacgggtac	660
205	ttgcaggggcc ttgtgtcttt cggaaaagcc cctgtggcc aagttggctg gccagggtc	720
206	tacaccaacc tctgcaaatt cactgagtgg atagagaaaa cctgtccagggc cagtaactc	780
207	tggggactgg gaacccatga aattgaccccc caaatacatc ctgcggaaagg aattcaggaa	840
208	tatctgttcc cagccctcc tccctcaggc c	871
210	<210> SEQ ID NO: 8	0 ✓
211	<211> LENGTH: 1428	
212	<212> TYPE: DNA	
213	<213> ORGANISM: Homo sapiens	
215	<400> SEQUENCE: 8	
216	ggccgggttg ggggtgtgcg attgtgtggg acggctggg gcagcccagc agcggctgac	60
217	cctctgcctg cggggaaagg agtgcctcagg cggccgtcat ggccgtgtcg gagagccagc	120
218	tcaagaaaat ggtgtccaag tacaataca gagacctaac tgcgtgttgc actgtcaatg	180
219	ttattactct atacaaagat ctcaaacctg ttttgatttc atatgtttt aacgatggca	240
220	gttccaggga actaatgaac ctcaactggaa caatccctgt gccttataga ggtaatacat	300
221	acaatattcc aatatgccta tggctactgg acacataccc atataatccc cctatctgtt	360
222	ttgttaagcc tactagttca atgactatta aaacaggaaa gcatgttgat gcaaatggga	420
223	agatatatct tccttatcta catgaatggaa aacaccacaa gtcagacttgc ttggggctt	480
224	ttcagggtcat gattgtggta tttggagatg aacctccagt cttctctgt cctatttcgg	540
225	catcctatcc gccataccag gcaacggggc caccataatc ttccatcatg ccaggcatgc	600
226	cagggtggat ctctccatac ccatccggat accctccaa tccctgtgtt taccaggct	660
227	gtccttaccc acctgggtgtt ccatatcctg ccacaacaag ttctcagtac cttctctcgc	720
228	ctcctgtgac cactgttggt cccagtaggg atggcacaat cagcgaggac accatccgag	780
229	cctctctcat ctctgcggtc agtgacaaac tgagatggcg gatgaaggag gaaatggatc	840
230	gtgcccgaggc agagctcaat gccttgaaaac gaacagaaga agacctgaaa aagggtcacc	900
231	agaaaactggaa agagatgtt acccggtttag atcaagaagt agccgaggtt gataaaaaaca	960
232	tagaactttt gaaaaagaag gatgaagaac tcagttctgc tctggaaaaaa atggaaaatc	1020
233	agtgtaaaaa caatgatatc gatgaagttt tcattccac agctccctta tacaaacaga	1080
234	tcctgtaatct gtatgcagaa qaaaacqcta ttqaqacac tatttttac ttqqqqaqaaq	1140

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235	ccttgagaag gggcgtata gacctggatg tcttcctgaa gcatgtacgt cttctgtccc	1200
236	gtaaacagtt ccagctgagg gcactaatgc aaaaagcaag aaagactgcc ggctcagtgc	1260
237	acctctactg acttctctga taccagctgg aggtttagct cttcttaaag tattcttctc	1320
238	ttccctttat cagtaggtgc ccagaataag ttattgcagt ttatcattca mgtgtaaaat	1380
239	attttgaatc aataatataat tttctgtttt cttttggtaa agatggat	1428
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242	<211> LENGTH: 667	
243	<212> TYPE: DNA	
244	<213> ORGANISM: Homo sapiens	
246	<400> SEQUENCE: 9	
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248	gagttgggaa tgtccctacaa acccatcgcc cctgctccca gcakcaccccc tgctccagc	120
249	accctctggc cgggcacccc ggtccctaca ggaagcgtcc cgtcgcgtc ggctcagtgc	180
250	ccaggagccg ggcgtcctt cagaccgtg tttaacgcact ttggaccgc ttccatggc	240
251	tacgtgcagg cgatgaagcc acccgccgc caggcgtccc agacaccta cacggacctg	300
252	ctgtcagtca tagaggagat gggcaaagag atccggccta cctatgtgg cagcaagagc	360
253	gccccatggcgc gcctgaagag aggtataatc catgcccggg ccctagtcag agagtgcctg	420
254	gcagagacag agcggAACgc ccgcacgtaa cagaagcgc ctcggcctca gcgtctggac	480
255	ctatccggcc actgcagac acccgcttcc cctggcctt catcccagt tgactaacc	540
256	atcctggct tcctgtcctg tgcccttgg tgggtcccct ccaggaacca aggagtggcc	600
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258	gagtccc	667
260	<210> SEQ ID NO: 10	
261	<211> LENGTH: 397	
262	<212> TYPE: DNA	
263	<213> ORGANISM: Homo sapiens	
265	<220> FEATURE:	
266	<221> NAME/KEY: misc_feature	
267	<222> LOCATION: (1)...(397)	
268	<223> OTHER INFORMATION: n = A,T,C or G	
270	<400> SEQUENCE: 10	
271	ctgaactcta cctggtgacc agggaccagg acctttataa ggtggaaaggc ttgatgtcct	60
272	ccccagactc agctcctggt gaagctccca gccatcagcc atgagggctc tgcgtatctcct	120
273	cttctcggtc ctcttcataat tcctgtatcc tcttccaggt gttttttgggt gtataggcga	180
274	tcccgttacc tgccttaaga gtggagccat atgtcatcca gtctttgcc ctagaaggta	240
W--> 275	taaacnaatt ggcacactgtg gtctccctgg aacaaaatgc tgnaaaaagc catgaggagg	300
W--> 276	ccaagaagct gctgtggcng angcggattc agaaaaggct ccctcatcag agangtgcga	360
W--> 277	catgtaaacc aaattaaact atggtgtcca angatan	397

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/956,999

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L:27 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:28 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10